



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2641/ #  
#20  
am  
12/26/02

In re application of:

**YOSHIOKA, et al.**

Serial No.: 09/181,021

Filed: October 27, 1998

For: **CONVERTING APPARATUS OF VOICE SIGNAL  
BY MODULATION OF FREQUENCIES AND  
AMPLITUDES OF SINUSOIDAL WAVE  
COMPONENTS**

Group No.: 2641

Examiner: A. Armstrong

Atty Dkt: 51270-245583

RECEIVED

DEC 06 2002

Technology Center 2600

REQUEST UNDER RULE 97(d) and INFORMATION DISCLOSURE STATEMENT

Request is hereby made under Rule 97(d) for consideration of the following IDS for which the requisite \$180 fee under Rule 17(p) is enclosed. Should that fee be missing or inadequate please charge the deficiency to our Deposit Account No. 16-1805 under Order No. 051270-0245583.

I hereby certify that each enclosed document listed on the herewith Form PTO-1449 was first cited in any communication from a foreign patent office in a counterpart foreign application in the attached Japanese Communication (☐ Search Report ☒ Office Action) issued March 12, 2002 (translation provided). See that communication for information on each document.

This IDS is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully.

12/03/2002 TBESHAH1 00000022 09181021

01 FC:1806

180.00 OP

EA

Consideration of the foregoing and enclosures plus the return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

Respectfully submitted,

PILLSBURY WINTHROP LLP

Dated: November 25, 2002

By: 

ROGER R. WISE (Reg. No. 31,204)  
Attorneys for Applicants

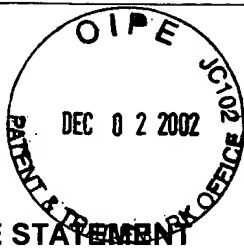
725 South Figueroa Street  
Suite 2800  
Los Angeles, CA 90017-5406  
Telephone: (213) 488-7100  
Facsimile: (213) 629-1033

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington D.C. 20231, on November 25, 2002.

By: 

ROGER R. WISE, Reg. No. 31,204

FORM PTO-1449 (modified)  
To: U.S. Department of Commerce  
(PW FORM PAT-1449)  
Patent and Trademark Office



Atty.  
Dkt. No.

M#

Client Ref.

245583

H7086US

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

Applicant: **YOSHIOKA et al.**

Application No.: 09/181,021

Filing Date: October 27, 1998

Date: November 25, 2002

Page

1

of

1

Examiner: A. Armstrong

Group Art Unit: 2641

## **U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials* | Document<br>Number | Date<br>MM/YYYY | Name<br>(Family Name of First Inventor) | Class | Sub<br>Class | Filing<br>Date<br>(if appropriate) |
|-------------------------|--------------------|-----------------|---|-------|--------------|------------------------------------|
|                         | AR                 |                 |   |       |              |                                    |
|                         | BR                 |                 |   |       |              |                                    |
|                         | CR                 |                 |   |       |              |                                    |
|                         | DR                 |                 |   |       |              |                                    |
|                         | ER                 |                 |   |       |              |                                    |
|                         | FR                 |                 |   |       |              |                                    |
|                         | GR                 |                 |   |       |              |                                    |
|                         | HR                 |                 |   |       |              |                                    |

## **FOREIGN PATENT DOCUMENTS**

|    | Document<br>Number | Date<br>MM/YYYY | Country | Inventor Name   | English<br>Abstract |    | Translation<br>Readily<br>Available |    |
|----|--------------------|-----------------|---------|-----------------|---------------------|----|-------------------------------------|----|
|    |                    |                 |         |                 | Enclose<br>d        | No | Enclose                             | No |
| IR | 03-026468          | 03/10/91        | Japan   |                 | X                   |    |                                     |    |
| JR | 09-185392          | 07/15/97        | Japan   | Toshiko, et al. | X                   |    |                                     |    |
| KR | H2-59477           | 12/12/90        | Japan   |                 | X                   |    |                                     |    |
| LR | 07-056598          | 03/03/95        | Japan   | Tadashi, et al. | X                   |    |                                     |    |
| MR | 08-263077          | 10/11/96        | Japan   | Shuichi         | X                   |    |                                     |    |
| NR |                    |                 |         |                 |                     |    |                                     |    |
| OR |                    |                 |         |                 |                     |    |                                     |    |
| PR |                    |                 |         |                 |                     |    |                                     |    |
| QR |                    |                 |         |                 |                     |    |                                     |    |

## **OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

|    |  |
|----|--|
| RR |  |
| SR |  |
| TR |  |
| UR |  |
| VR |  |

Examiner

Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.